

PALANI E

Data Analyst | Power BI Developer

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PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with hands-on experience in Power BI dashboard development, SQL analytics, and Python-based data analysis. Proven ability to transform complex datasets into interactive dashboards and automated workflows using Power Automate and Microsoft Teams. Skilled in DAX, Star Schema, data cleaning, validation, and delivering actionable insights to business stakeholders. B.Tech graduate (CGPA 8.4) focused on improving operational efficiency through data-driven decision-making. Immediate joiner.

CORE SKILLS

Data Visualization & BI: Power BI (DAX, Star Schema, Advanced Visuals), Excel Dashboards, KPI Reporting

Programming & Query: Python (Pandas, NumPy, Matplotlib, Seaborn), SQL (Joins, CTEs, Window Functions)

Data Engineering: Power Query, ETL (basic), Data Modeling, Data Cleaning, Data Visualization, Business Intelligence

Excel –(Pivot Tables, VLOOKUP, Power Query) ,Exploratory Data Analysis (EDA), Statistical Analysis

PROFESSIONAL EXPERIENCE

Data Analyst Intern | Pumo Technovation — Chennai

2025 – 2026

Project: Healthcare — Hospital Operations & Patient Analysis | Power BI, Power Automate, DAX, SQL

- Designed end-to-end Power BI dashboards tracking 8+ hospital KPIs — patient admissions, bed occupancy rate, treatment turnaround time, and departmental performance — using DAX measures (CALCULATE, FILTER) and Star Schema modeling.
- Automated weekly hospital reporting workflows using Power Automate, reducing manual data entry effort by 40% and improving reporting cycle efficiency.
- Performed data cleaning, transformation, and modeling in Power Query, ensuring 100% data accuracy via validation checks and reconciliation across multiple data sources.
- Collaborated with clinical, administrative, and operations stakeholders to translate business requirements into DAX calculations, reports, and dashboard visualizations.

PROJECTS

Bank Performance & Risk Monitoring Dashboard | *Power BI, SQL*

- Built interactive Power BI dashboards to monitor loan performance, branch revenue, and financial risk metrics across multiple business units.
- Developed DAX measures and Power Query transformations to support dynamic financial reporting and ad-hoc analysis.
- Identified high-risk loan segments and branch performance gaps through SQL-based data analysis, enabling risk-informed decision-making.

Customer Churn Analysis | *Python, Pandas, Matplotlib*

- Conducted end-to-end customer churn analysis on 5,000+ customer records to identify churn drivers and retention patterns.
- Performed data cleaning, feature analysis, and visual summaries using Pandas and Matplotlib to highlight high-risk customer segments.
- Delivered concise, actionable insights to support retention-focused business decision-making.

EDUCATION

B.Tech — Electronics & Communication Engineering — Dr. M.G.R. Educational & Research Institute

2024 | CGPA: 8.4

Higher Secondary Certificate (HSC) — Tamil Nadu State Board

2020 | 79%

Secondary School Leaving Certificate (SSLC) — Tamil Nadu State Board

2018 | 81%